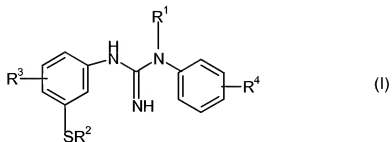


Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) A compound of formula (I):



or a salt or solvate thereof, wherein:

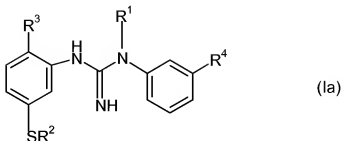
R¹ is -¹¹CH₂R⁵ or [¹⁸F]-C₁₋₄ fluoroalkyl wherein R⁵ is hydrogen or C₁₋₄ alkyl;

R² is hydrogen or C₁₋₄ alkyl;

R³ is halo; and

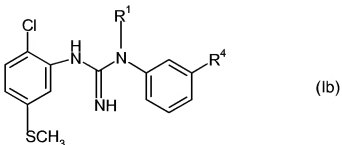
R⁴ is halo, C₁₋₄ alkylthio, or C₁₋₄ alkyl.

2. (Original) A compound according to claim 1 of formula (Ia) :



or a salt or solvate thereof, wherein R^1 , R^2 , R^3 , and R^4 are as defined in claim 1.

3. (Previously presented) A compound according to claim 1 of formula (Ib):

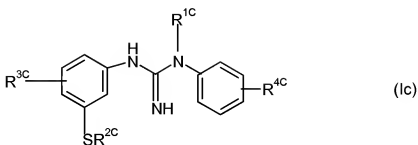


or a salt or solvate thereof, wherein:

R^4 is C_{1-4} alkylthio;

R^1 is either $-^{11}CH_3$, $-^{11}CH_2CH_3$, or $-^{11}CH_2CH_2CH_3$ or R^1 is $-CH_2^{18}F$, $-CH_2CH_2^{18}F$, or $-CH_2CH_2CH_2^{18}F$.

4. (Original) A compound of formula (Ic):



or a salt or solvate thereof, wherein:

R^{1c} is C_{1-4} alkyl or C_{1-4} haloalkyl;

R^{2c} is hydrogen or C_{1-4} alkyl;

R^{3c} is radioiodine (suitably ^{123}I , ^{124}I , ^{125}I , or ^{131}I); and

R^{4c} is halo, C_{1-4} alkylthio, or C_{1-4} alkyl.

5. (Previously presented) A compound according to claim 1, selected from:

(N-(2-chloro-5-(methylthio)phenyl)-N'-(3-methylthio)phenyl)-N'-[N-methyl-¹¹C]-methylguanidine; and

(N-(2-chloro-5-(methylthio)phenyl)-N'-(3-methylthio)phenyl)-N'-[¹⁸F]-fluoromethylguanidine;

or a salt or solvate thereof.

6. (Previously presented) A compound according to claim 1, for use in an *in vivo* diagnostic or imaging method such as PET.

7. (Withdrawn) Use of a compound according to claim 1, in the manufacture of a radiopharmaceutical for the *in vivo* diagnosis or imaging of an NMDA-mediated disease.

8. (Withdrawn) A method for the *in vivo* diagnosis or imaging of NMDA-mediated disease in a subject, preferably a human, comprising administration of a compound according to claim 1.